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## WHAT IS CLAIMED IS:

buffer two or more times; and

averaging the measurements.

1	1.	A method for temporal drift correction in a real-time electronic communication		
2	comp	comprising:		
3		measuring a size of a receiving data buffer;		
4		comparing the measured size to a predetermined nominal data buffer size;		
5		determining an amount of temporal drift based on the comparison of the measured		
6	data b	data buffer size and the nominal data buffer size;		
7		determining a number of samples to be inserted in or removed from a playback data		
8	block	block to correct the temporal drift; and		
9		modifying the number of samples in the playback data block to correct the temporal		
10	drift.			
1	2.	The method of claim 1 wherein the number of samples is modified without		
2	introc	introducing audible artifacts.		
1	3.	The method of claim 1 wherein measuring the size of the receiving data buffer		
2	comprises measuring an instantaneous size of the receiving data buffer.			
1	4.	The method of claim 3 wherein measuring the size of the receiving data buffer		
2	comp	comprises:		
3		measuring an instantaneous communication delay associated with the receiving data		

- The method of claim 1 wherein the real-time electronic communication includes an 5. 1 audio communication.
- The method of claim 5 wherein modifying the number of samples comprises 1 6. 2 performing heuristic resampling of the playback data block.

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1	7.	The method of claim 6 wherein performing heuristic resampling comprises:
2		analyzing multiple consecutive samples of audio data in the playback data block;
3		identifying consecutive samples with minimal variation in a parameter of their data;
4	and	
5		adjusting the number of samples in the identified consecutive samples.

- 1 8. The method of claim 7 wherein adjusting the number of samples comprises removing 2 a sample from the identified consecutive samples.
- 1 9. The method of claim 7 wherein adjusting the number of samples comprises adding a sample to the identified consecutive samples.
  - 10. A computer program, residing on a computer-readable medium, for correcting temporal drift in a real-time electronic communication, comprising instructions for causing a computer to:

measure a size of a receiving data buffer;

compare the measured size to predetermined nominal data buffer size;

determine an amount of temporal drift based on the comparison of the measured data buffer size and the nominal data buffer size;

determine a number of samples to be inserted in or removed from a playback data block to correct the temporal drift; and

modify the number of samples in the audio playback data block to correct the temporal drift.

- 1 11. The computer program of claim 10 wherein the number of samples is modified without introducing audible artifacts.
- 1 12. The computer program of claim 10 wherein instructions for causing a computer to 2 measure the size of the receiving data buffer comprise instructions for causing a computer to 3 measure an instantaneous size of the receiving data buffer.

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1	13.	The computer program of claim 12 wherein instructions for causing a computer to		
2	measure the communication delay comprise instructions for causing a computer to:			
3		measure the instantaneous size of the receiving data buffer two or more times; and		
4		average the measurements.		
1	14.	The computer program of claim 10 wherein the real-time electronic communication		
2	includes an audio communication.			
1	15.	The computer program of claim 14 wherein instructions for causing a computer to		
2	modify the number of samples comprises instructions for causing a computer to perform			
3	heuristic resampling of the playback data block.			
1	16.	The computer program of claim 15 wherein instructions for causing a computer to		
2	perform heuristic resampling comprise instructions for causing a computer to:			
3	1	analyze multiple consecutive samples of audio data in the playback data block;		
4		identify consecutive samples with minimal variation in a parameter of their data;		
5		and adjust the number of samples in the identified consecutive samples.		
1	17.	A computer system running programmed processes comprising a process		
2		orrecting temporal drift in a real-time electronic communication, the process causing the		
3	computer system to:			
4	Comp	measure a size of a receiving data buffer;		
5		compare the measured size to predetermined nominal data buffer size;		
6		determine an amount of temporal drift based on the comparison of the measured data		
7	buffe	er size and the nominal data buffer size;		
8		determine a number of samples to be inserted in or removed from a playback data		
9	block	block to correct the temporal drift; and		

modify the number of samples in the playback data block to correct the temporal drift.

- 1 18. The computer system of claim 17 wherein the number of samples is modified without
- 2 introducing audible artifacts.
- 1 19. The computer system of claim 17 wherein measuring the size of the receiving data
- 2 buffer comprises measuring an instantaneous size of the receiving data buffer.
- 1 20. The computer system of claim 19 wherein measuring the size of the receiving data
- 2 buffer comprises:
- 3 measuring the instantaneous communication delay associated with the receiving data
- 4 buffer two or more times; and
- 5 averaging the measurements.
- 1 21. The computer system of claim 17 wherein the real-time electronic communication
- 2 includes an audio communication.
- 1 22. The computer system of claim 21 wherein modifying the number of samples
- 2 comprises performing heuristic resampling of the audio playback data block.
- 1 23. The computer system of claim 22 wherein performing heuristic resampling
- 2 comprises:
- analyzing multiple consecutive samples of audio data in the playback data block;
- 4 identifying consecutive samples with minimal variation in a parameter of their data;
- 5 and
- adjusting the number of samples in the identified consecutive samples.